

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE
DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

MSC IN LIBRARY AND INFORMATION SCIENCE

STAGE II SECOND SEMESTER APRIL 2006 EXAMINATIONS

ILI 5104 INFORMATION AND COMMUNICATION THEORY

TIME: 3 HOURS + 30 MIN READING

INSTRUCTIONS TO CANDIDATES

1. ANSWER ANY **FOUR** QUESTIONS.
 2. GIVE EQUAL TIME TO ALL THE QUESTIONS.
 3. EACH QUESTION CARRIES 25 MARKS
 4. IMPORTANCE IS ATTACHED TO ACCURACY AND CLEARNESS OF EXPRESSION AND ILLEGIBLE HANDWRITING WILL DETRACT THE EXAMINER FROM HIS OR HER EFFORTS.
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1. How has the "explosion" of information been controlled throughout the development of the varied media of information storage? Discuss, giving as many examples as possible.
[25 marks]
2. Analyse how the development of the printing technology helped form the base of an industrial society and the fusion of information technology and communication systems. [25 marks]
3. Critically appraise the significance of symbols in human communication. How have the same symbols affirmed and sustained human culture? [25 marks]
4. Contrast ideology with social theory, showing how ideologies are closed belief and value systems that use circular reasoning. [25 marks]
5. How do the following contribute to the low level of information and communication technology in Sub-Saharan Africa?
 - (a) Low level of economic development [5 marks]
 - (b) Telecommunications infrastructure [5 marks]
 - (c) Cost of computers and related services [5 marks]
 - (d) Lack of Comprehensive National ICT policies [5 marks]
 - (e) Skilled human resource [5 marks]
6. "To enable human beings to benefit from the knowledge and skills of others, some form of storage system and some means of transmitting knowledge and information must be in existence". Discuss how the process of "social heritage" or "social transcript" or "cultural book" have helped build corporate memory.

END OF PAPER